WEST Search History

DATE: Wednesday, September 04, 2002

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT,PGPB; PLUR=NO; OP=ADJ		
L9	toner$1 same L8	12	L9
L8	l1 same (phthalocyanine$1 or titanylphthalocyanine$1 or vanadylphthalocyanine$1)	24	L8
L7	toner$ same ((calix near4 arene$1) or calixarene$1 or calix$3arene$1) and (flash near3 fix$6)	2	L7
	DB=JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ		
L6	toner$ and ((calix near4 arene$1) or calixarene$1 or calix$3arene$1) and (flash near3 fix$6)	1	L6
L5	toner$ and ((calix near4 arene$1) or calixarene$1 or calix$3arene$1) and (ir or infrared or (infra near2 red))	1	L5
	DB=USPT,PGPB; PLUR=NO; OP=ADJ		
L4	toner$ and L3	26	L4
L3	l1 and L2	120	L3
L2	ir or infrared or (infra near2 red)	208561	L2
L1	(calix near4 arene$1) or calixarene$1 or calix$3arene$1	458	L1

END OF SEARCH HISTORY

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* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Apr 08   "Ask CAS" for self-help around the clock
 NEWS  3  Apr 09   BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS  4  Apr 09   ZDB will be removed from STN
 NEWS  5  Apr 19   US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS  6  Apr 22   Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS  7  Apr 22   BIOSIS Gene Names now available in TOXCENTER
 NEWS  8  Apr 22   Federal Research in Progress (FEDRIP) now available
 NEWS  9  Jun 03   New e-mail delivery for search results now available
 NEWS 10  Jun 10   MEDLINE Reload
 NEWS 11  Jun 10   PCTFULL has been reloaded
 NEWS 12  Jul 02   FOREGE no longer contains STANDARDS file segment
 NEWS 13  Jul 22   USAN to be reloaded July 28, 2002;
                   saved answer sets no longer valid
 NEWS 14  Jul 29   Enhanced polymer searching in REGISTRY
 NEWS 15  Jul 30   NETFIRST to be removed from STN
 NEWS 16  Aug 08   CANCERLIT reload
 NEWS 17  Aug 08   PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS 18  Aug 08   NTIS has been reloaded and enhanced
 NEWS 19  Aug 19   Aquatic Toxicity Information Retrieval (AQUIRE)
                   now available on STN
 NEWS 20  Aug 19   IFIPAT, IFICDB, and IFIUDB have been reloaded
 NEWS 21  Aug 19   The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS 22  Aug 26   Sequence searching in REGISTRY enhanced
 NEWS 23  Sep 03   JAPIO has been reloaded and enhanced

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 07:15:44 ON 04 SEP 2002

=> fil caplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY     SESSION
FULL ESTIMATED COST                            0.21        0.21
```

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FILE 'CAPLUS' ENTERED AT 07:16:05 ON 04 SEP 2002
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FILE COVERS 1907 - 4 Sep 2002  VOL 137 ISS 10
FILE LAST UPDATED: 3 Sep 2002  (20020903/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
- the CAS Roles thesaurus (/RL field) in this file.

=> s (calixarene# or (calix (a)arene#))
          4008 CALIXARENE#
          3505 CALIX
         16894 ARENE#
           102 CALIX (A)ARENE#
L1        4050 (CALIXARENE# OR (CALIX (A)ARENE#))

=> s (ir or infrared) and l1 and toner#
        489072 IR
        206280 INFRARED
         28020 TONER#
L2           1 (IR OR INFRARED) AND L1 AND TONER#

=> d kwic

L2   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI   Electrophotographic color toners containing quaternary ammonium
     IR-absorber and calix arene for IR-flash fixing, method for flash
     fixing image made of same, and apparatus for image formation using same
AB   The title toner contains a colorant, a binder resin, a
     charge-controlling agent, and an IR-absorber for flash-fixing, wherein
     the charge-controlling agent is calix arene.  The toner shows little
     deterioration of the quaternary ammonium IR-absorber caused by the
     charge-controlling agent.
ST   electrophotog color toner IR absorber calix arene flash fixing
IT   Electrophotographic apparatus
     Electrophotographic toners
        (electrophotog. color toners for flash fixing, method for
        flash fixing using same, and app. for image formation using same)
IT   Photographic fixing
        (electrophotog.; electrophotog. color toners for flash
        fixing, method for flash fixing using same, and app. for image
        formation using same)
IT   Electrophotographic development
        (fixing; electrophotog. color toners for flash fixing, method
```

```
        for flash fixing using same, and app. for image formation using same)
IT   Quaternary ammonium compounds, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (polymethine; IR-absorber in electrophotog. toners)
IT   4182-80-3, NIR-AM 1   331229-95-9, NIR-IM 1
     RL: TEM (Technical or engineered material use); USES (Uses)
        (IR-absorber in electrophotog. toners)
IT   152165-59-8, Bontron E 89
     RL: TEM (Technical or engineered material use); USES (Uses)
        (charge-controlling agent in electrophotog. toners)


=> d bib

L2   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
Full Text
AN   2002:265374  CAPLUS
DN   136:316855
TI   Electrophotographic color toners containing quaternary ammonium
     IR-absorber and calix arene for IR-flash fixing, method for flash
     fixing image made of same, and apparatus for image formation using same
IN   Fukuda, Makoto
PA   Fujitsu Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 12 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ----------------  ----  --------       ---------------  --------
PI   JP 2002108023      A2   20020410       JP 2000-295079   20000927
OS   MARPAT 136:316855


=> d his

     (FILE 'HOME' ENTERED AT 07:15:44 ON 04 SEP 2002)

     FILE 'CAPLUS' ENTERED AT 07:16:05 ON 04 SEP 2002
L1         4050 S (CALIXARENE# OR (CALIX (A)ARENE#))
L2            1 S (IR OR INFRARED) AND L1 AND TONER#

=> s l1 and (phthalocyanine# or cyanine# or aminium# or diimonium# or anthraquinone# or polyme
         28868 PHTHALOCYANINE#
         12945 CYANINE#
           693 AMINIUM#
            35 DIIMONIUM#
         28940 ANTHRAQUINONE#
          2571 POLYMETHINE#
         31222 YTTERBIUM
L3          49 L1 AND (PHTHALOCYANINE# OR CYANINE# OR AMINIUM# OR DIIMONIUM#
               OR ANTHRAQUINONE# OR POLYMETHINE# OR YTTERBIUM)

=> s l3 and toner#
         28020 TONER#
L4           2 L3 AND TONER#

=> d kwic 1-2

L4   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2002 ACS
TI   Electrophotographic color toners containing quaternary ammonium
     IR-absorber and calix arene for IR-flash fixing, method for flash
```

fixing image made of same, and apparatus for image formation using same
AB The title **toner** contains a colorant, a binder resin, a charge-controlling agent, and an IR-absorber for flash-fixing, wherein the charge-controlling agent is **calix arene**. The **toner** shows little deterioration of the quaternary ammonium IR-absorber caused by the charge-controlling agent.
ST electrophotog color **toner** IR absorber **calix arene** flash fixing
IT Electrophotographic apparatus
Electrophotographic **toners**
(electrophotog. color **toners** for flash fixing, method for flash fixing using same, and app. for image formation using same)
IT Photographic fixing
(electrophotog.; electrophotog. color **toners** for flash fixing, method for flash fixing using same, and app. for image formation using same)
IT Electrophotographic development
(fixing; electrophotog. color **toners** for flash fixing, method for flash fixing using same, and app. for image formation using same)
IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(**polymethine**; IR-absorber in electrophotog. **toners**)
IT 4182-80-3, NIR-AM 1 331229-95-9, NIR-IM 1
RL: TEM (Technical or engineered material use); USES (Uses)
(IR-absorber in electrophotog. **toners**)
IT 152165-59-8, Bontron E 89
RL: TEM (Technical or engineered material use); USES (Uses)
(charge-controlling agent in electrophotog. **toners**)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
ST water thinned jet printing ink amphipathic compd; light water resistance jet printing ink cyclodextrin; clathrate steroid **calixarene** jet printing ink
IT Metacyclophanes
RL: MOA (Modifier or additive use); USES (Uses)
(**calixarenes**; water-thinned anticlogging jet-printing inks contg. amphipathic clathrate compds. with good water and light resistances and storage stability)
IT 980-26-7, **Toner** Magenta E 02 172308-31-5, **Cyanine** Blue KRO
RL: TEM (Technical or engineered material use); USES (Uses)
(pigment; water-thinned anticlogging jet-printing inks contg. amphipathic clathrate compds. with good water and light resistances and storage stability)

=> d bib

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
Full Text
AN 2002:265374 CAPLUS
DN 136:316855
TI Electrophotographic color **toners** containing quaternary ammonium IR-absorber and **calix arene** for IR-flash fixing, method for flash fixing image made of same, and apparatus for image formation using same
IN Fukuda, Makoto
PA Fujitsu Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

```
     ---------------  ----  --------       ---------------  --------
PI   JP 2002108023     A2   20020410       JP 2000-295079   20000927
OS   MARPAT 136:316855


=> d his

     (FILE 'HOME' ENTERED AT 07:15:44 ON 04 SEP 2002)

     FILE 'CAPLUS' ENTERED AT 07:16:05 ON 04 SEP 2002
L1          4050 S (CALIXARENE# OR (CALIX (A)ARENE#))
L2             1 S (IR OR INFRARED) AND L1 AND TONER#
L3            49 S L1 AND (PHTHALOCYANINE# OR CYANINE# OR AMINIUM# OR DIIMONIUM#
L4             2 S L3 AND TONER#

=> s l1 and (carbon or c) (w) black#
        901287 CARBON
       2932077 C
        207074 BLACK#
         73095 (CARBON OR C) (W) BLACK#
L5           8 L1 AND (CARBON OR C) (W) BLACK#

=> l5 and toner#
L5 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l5 and toner#
         28020 TONER#
L6           5 L5 AND TONER#

=> d bib kwic 1-5

L6   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2002 ACS
Full Text
AN   2002:61871  CAPLUS
DN   136:126485
TI   Electrophotographic toner and environmentally friendly charge
     controlling agent showing excellent charging properties
IN   Yushina, Heihachi; Yamanaka, Shunichiro
PA   Orient Chemical Industries, Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 10 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.       KIND  DATE           APPLICATION NO.  DATE
     ---------------  ----  --------       ---------------  --------
PI   JP 2002023427     A2   20020123       JP 2000-211638   20000712
TI   Electrophotographic toner and environmentally friendly charge
     controlling agent showing excellent charging properties
AB   The invention relates to an electrophotog. toner comprised of a styrenic
     resin binder, a colorant, and a charge controlling agent, wherein the
     charge controlling agent is calixarene partially coated with polyester.
     The styrenic resin has a specified mol. wt. distribution.  The polyester
     has an acid value of ≥15.  The charge controlling agent contains a
     specific polyolefin wax.  The toner shows excellent charging
     characteristics. .
ST   electrophotog toner charge controlling agent polyester coated calixarene
IT   Polyesters, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
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(coating for **calixarene**; electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

IT **Carbon black**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(colorant, MA100; electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

IT Electrophotographic **toners**
(electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

IT 25085-34-1, Acrylic acid-styrene copolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(binder; electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

IT 68971-82-4
RL: TEM (Technical or engineered material use); USES (Uses)
(**calixarene**; electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

IT 9003-07-0, Polypropylene
RL: TEM (Technical or engineered material use); USES (Uses)
(electrophotog. **toner** and environmentally friendly **calixarene** charge controlling agent showing excellent charging properties)

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
Full Text
AN 2001:718133 CAPLUS
DN 135:274352
TI Water-thinned ink-jet recording fluids containing amphipathic compounds and their use
IN Inoue, Tomoko; Horiuchi, Takahiro; Wayaku, Kenjiro
PA Sharp Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001271012	A2	20011002	JP 2000-176711	20000613
PRAI	JP 2000-12167	A	20000120		

ST water thinned jet printing ink amphipathic compd; light water resistance jet printing ink cyclodextrin; clathrate steroid **calixarene** jet printing ink

IT Metacyclophanes
RL: MOA (Modifier or additive use); USES (Uses)
(**calixarenes**; water-thinned anticlogging jet-printing inks contg. amphipathic clathrate compds. with good water and light resistances and storage stability)

IT **Carbon black**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(pigment, M 800; water-thinned anticlogging jet-printing inks contg. amphipathic clathrate compds. with good water and light resistances and storage stability)

IT 980-26-7, **Toner** Magenta E 02 172308-31-5, Cyanine Blue KRO
RL: TEM (Technical or engineered material use); USES (Uses)
(pigment; water-thinned anticlogging jet-printing inks contg. amphipathic clathrate compds. with good water and light resistances and

storage stability)

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
Full Text
AN 1994:19221 CAPLUS
DN 120:19221
TI Electrophotographic **toners** containing charge-controlling resin and **calixarene** compound
IN Ueda, Hideaki
PA Minolta Camera Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05119535	A2	19930518	JP 1991-277525	19911024

TI Electrophotographic **toners** containing charge-controlling resin and **calixarene** compound
AB The neg. charging **toners** contain a thermoplastic resin, a colorant, and 0.1-10 parts/100 parts thermoplastic resin of a charge-controlling resin prepd. by copolymg. 1-20 wt.% of the total monomers of CH2:CR1[CONHCR2R3(CH2)nSO3H] (R1 = H, Me; R2-3 = H, C≤10 alkyl; n = 1-10) with ≥1 vinyl monomer(s) selected from styrene, (meth)acrylate esters, and 0.1-10 parts/100 parts thermoplastic resin of a **calixarene** compd. The **toners** show good charging properties and provide high-quality images without fog in high-speed process. Thus, a styrene-acrylic resin, MA 100 (**carbon black**), Viscol 660P (polypropylene) I, and styrene-2-acrylamide-2-methylpropanesulfonic acid copolymer were kneaded, pulverized, and mixed with SiO2 to give a **toner**, which was mixed with a carrier to give a developer.
ST **toner** acrylamide copolymer electrophotog; sulfonic acid copolymer **toner** electrophotog; charge controlling agent **toner** electrophotog; **calixarene toner** electrophotog
IT Electrophotographic developers
(**toners**, contg. charge-controlling resins and **calixarene** compds.)
IT 51121-85-8 61910-75-6
RL: USES (Uses)
(charge-controlling resin, electrophotog. developer **toner** contg.)

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
Full Text
AN 1993:591915 CAPLUS
DN 119:191915
TI **Toners** for developing electrostatic image showing improved charge-controlling properties
IN Yasuno, Masahiro; Kobayashi, Makoto
PA Minolta Camera Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05127426	A2	19930525	JP 1991-315443	19911102

TI **Toners** for developing electrostatic image showing improved charge-controlling properties
AB The title **toners** comprise thermoplastic core particles fixed or coated

by a **calixarene** and inorg. fine particles coated with an alkylpolysiloxane on the surface of core particles. The **toners** show good charge-controlling properties and stable charge. Thus, styrene-Bu methacrylate copolymer, MA 8 (**carbon black**), and Viscol 550P (polypropylene) were kneaded, pulverized, treated with I and P-25 (TiO2) coated with Me3SiO[SiHMeO]nSiMe3, and mixed with SiO2 to give a **toner**.

ST **toner** charge controlling agent electrophotog; alkylsiloxane inorg particle **toner** electrophotog; **calixarene toner** electrophotog developer

IT Siloxanes and Silicones, uses
RL: USES (Uses)
(inorg. grains coated with, for electrophotog. developer **toner**)

IT Electrophotographic developers
(**toners**, charge-controlling agent-fixed grains as)

IT 68971-82-4 93503-77-6 131957-03-4 150335-49-2 150335-50-5
RL: USES (Uses)
(electrophotog. developer **toner** grain coated with, charge-controlling agent)

IT 7631-86-9, Aerosil OX 50, uses 13463-67-7, Aerosil P 25, uses
RL: USES (Uses)
(siloxane-treated, electrophotog. developer **toner** grains coated with)

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
Full Text
AN 1993:202055 CAPLUS
DN 118:202055
TI Electrophotographic image formation using **toner** containing **calixarene** derivative as charge-controlling agent
IN Kuramoto, Shinichi; Orihara, Motoi; Hagiwara, Tomoe
PA Ricoh Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04295862	A2	19921020	JP 1991-84823	19910325
JP 3073782	B2	20000807		

TI Electrophotographic image formation using **toner** containing **calixarene** derivative as charge-controlling agent

AB In an image-forming method using a single-component developer comprising a **toner** and additives which is supplied to a developer-carrying sleeve on which a lot of microfields are formed to develop latent images on a photoreceptor, a **toner** comprising a binder resin, a coloring agent, and a **calixarene** deriv. charge-controlling agent is used. The method is capable of forming ≥2 layers of the **toner** uniformly on the developer-carrying substance and **toner** filming phenomena are prevented. Thus, styrene-acrylic copolymer, polypropylene, **carbon black**, and I were kneaded, pulverized, and mixed with colloidal silica to give a **toner**, which gave clear images in continuously repeated copying.

ST charge controlling agent **toner** electrophotog; **calixarene toner** electrophotog developer

IT Electrophotographic developers
(single-component, charge-controlling agent for, **calixarene** deriv. as)

IT 147094-35-7 147094-36-8 147094-37-9
RL: USES (Uses)
(charge-controlling agent, electrophotog. **toner** contg.)

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=> d his

     (FILE 'HOME' ENTERED AT 07:15:44 ON 04 SEP 2002)

     FILE 'CAPLUS' ENTERED AT 07:16:05 ON 04 SEP 2002
L1          4050 S (CALIXARENE# OR (CALIX (A)ARENE#))
L2             1 S (IR OR INFRARED) AND L1 AND TONER#
L3            49 S L1 AND (PHTHALOCYANINE# OR CYANINE# OR AMINIUM# OR DIIMONIUM#
L4             2 S L3 AND TONER#
L5             8 S L1 AND (CARBON OR C) (W) BLACK#
L6             5 S L5 AND TONER#

=>
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